Temperature Control Actions

Flow Stage Model

CALSIM II → Local Operations Model → Temperature Model → DONE
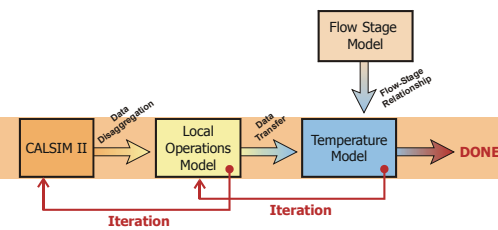
Is Fishery Hatchery temperature objective met? — **Yes** →

Period	1	2	3	4	5	6	7	8
From	1-Sep	1-Oct	1-Dec	1-Apr	16-May	1-Jun	16-Jun	16-Aug
To	30-Sep	30-Nov	31-Mar	15-May	31-May	15-Jun	15-Aug	31-Aug
Temperature Objective (degree F)	52	51	55	51	55	56	60	58

1. Temperature objective is defined on a daily-average basis.
2. During April through November, a tolerance range of 4 degrees is allowed, but not modelled.

Is Low Flow Channel temperature objective met? — **Yes** → **No Action**

Period	1	2	3	4	5	6	7	8
From	1-Sep	1-Oct	1-Dec	1-Apr	16-May	1-Jun	16-Jun	16-Aug
To	30-Sep	30-Nov	31-Mar	15-May	31-May	15-Jun	15-Aug	31-Aug
Temperature Objective (degree F)	65	-	-	-	-	65	65	65

1. Temperature objective is defined on a daily-average basis.
2. The requirement is not intended to preclude pump-back operations needed to supply energy during periods when the California ISO anticipates a Stage 2 or higher alert.

No

Can additional shutters be pulled? — **Yes** → Pull shutters as needed

No

Pump back at Hyatt Power Plant? — **Yes** → Reduce pump-back operation

No

Peaking generation at the Hyatt Power Plant? — **Yes** → Reduce peaking generation

No

River Valves fully open? — **No** → Open River Valves to mix cooler water with warmer penstock water

Yes

Stop power generation; Release from River Valves only

No

Thermalito Diversion Dam Power Plant flow reaches its maximum capacity? — **No** → Increase Power Plant flow as needed

Yes

Low Flow Channel flow reaches 1,200 cfs? — **No** → Open Diversion Dam gates and increase flow by 100-cfs increments

Yes

Can additional shutters be pulled? — **Yes** → Pull shutters as needed

No

Use of River Valves may be considered